

# Converting Colors

XYZ(46.3338, 48.9638, 52.8994)

Have a look what the booklet for  
XYZ(46.3338, 48.9638, 52.8994)  
contains.

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# Color

**XYZ(46.3234, 48.9349,  
52.9028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9BAB9
RGB	185, 186, 185
RGB Percent	73%, 73%, 73%
CMY	0.2745, 0.2706, 0.2745
CMYK	0.01, 0.00, 0.01, 0.27
HSL	120°, 1%, 73%
HSV	120°, 1%, 73%
XYZ	46.3234, 48.9349, 52.9028
YIQ	185.5870, -0.2750, -0.5230

# Conversions

## Conversions Part 2

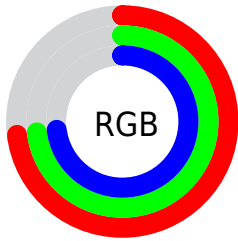
Format	Color
R <sub>Y</sub> B	185, 186, 186
Decimal	12171961
CIE Lab	75.41, -0.53, 0.37
CIE LCh	75, 0.650, 144.796
Yxy	48.9349, 0.3127, 0.3303
Android (android.graphics.Color)	4290362041 (0xFFB9BAB9)
YUV	185.5870, -0.2894, -0.5148
Hunter-Lab	69.9535, -4.2154, 4.1290

# Details

The XYZ color **46.3234, 48.9349, 52.9028** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.4634, 48.6834, 53.4047**, and the grayscale version is **46.4440, 48.8627, 53.2115**.

A 20% lighter version of the original color is **83.9049, 88.5559, 95.8898**, and **22.0681, 23.3465, 25.1730** is the 20% darker color. If you saturate the color by 10%, you get **40.2902, 46.0383, 43.0354**, and if you desaturate by 10%, it is **53.2032, 52.2411, 64.1519**.

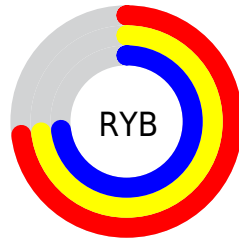
# Distribution



Red (73%)

Green (73%)

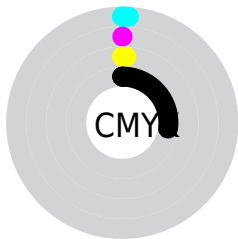
Blue (73%)



Red (73%)

Yellow (73%)

Blue (73%)

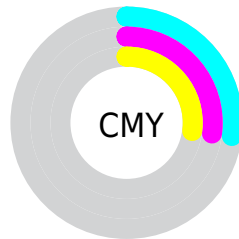


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3234, 48.9349, 52.9028 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.3234, 48.9349, 52.9028 by changing the saturation by 10% instead.



■ 46.3234, 48.9349,  
52.9028

■ 46.3234, 48.9349,  
52.9028

362.8015,  
382.4860, 414.9678

■ 32.7068, 34.5678,  
37.3380

■ 83.9277, 88.5948,  
95.9014

■ 22.0601, 23.3302,  
25.1715

108.6461,  
114.6563, 124.1723

■ 14.0179, 14.8375,  
15.9847

137.7958,  
145.3849, 157.5156

■ 8.2149, 8.7054,  
9.3591

171.7422,  
181.1648, 196.3500

■ 4.2857, 4.5495,  
4.8761

210.8506,  
222.3805, 241.0938

■ 1.8650, 1.9855,  
2.1173

255.4864,

■ 0.5564, 0.5990,

269.4163, 292.1657

0.6260

306.0149,  
322.6567, 349.9842

■ 0.0000, 0.0000,  
0.0000

■ 46.3234, 48.9349,  
52.9028

■ 46.3234, 48.9349,  
52.9028

■ 40.2902, 46.0383,  
43.0354

■ 53.2032, 52.2411,  
64.1519

■ 35.0670, 43.5292,  
34.4934

■ 60.9561, 55.9653,  
76.8298

■ 30.6206, 41.3934,  
27.2214

■ 69.6128, 60.1237,  
90.9852

■ 26.9138, 39.6128,  
21.1586

■ 76.8499, 63.5998,  
102.8333

■ 23.9065, 38.1683,  
16.2397

■ 21.5550, 37.0387,  
12.3929

■ 19.8102, 36.2006,  
9.5382

■ 18.6166, 35.6273,  
7.5847

■ 17.9083, 35.2871,  
6.4249

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.4147, 48.9349, 52.6858



46.3234, 48.9349, 52.9028



46.2824, 48.9349, 53.2220

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.3234, 48.9349, 52.9028



46.4903, 48.9349, 53.9407



46.7203, 48.9349, 53.0059

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.3234, 48.9349, 52.9028



46.4634, 48.6834, 53.4047

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.7407, 48.9349, 53.3416



46.3234, 48.9349, 52.9028



46.6077, 48.9349, 53.8822

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.3234, 48.9349, 52.9028



46.3786, 48.9349, 53.8220



46.6994, 48.9349, 53.6626



46.6439, 48.9349, 52.7452



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.3234, 48.9349, 52.9028



46.2890, 48.9349, 53.4502



46.6994, 48.9349, 53.6626



46.7340, 48.9349, 53.1137

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.3248, 48.9370, 52.9039



84.5950, 89.0005, 96.9216



46.5678, 49.0623, 52.9150



18.6292, 19.5994, 21.3438



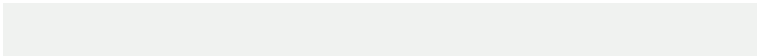
90.7827, 95.5105, 104.0109

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3248, 48.9370, 52.9039



83.4059, 88.4293, 94.9771



46.3778, 48.9582, 53.1832



9.9959, 10.5911, 11.3884



11.8134, 23.6263, 3.9393



0.4165, 0.8329, 0.1391

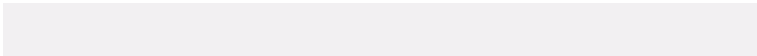


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.4634, 48.6834, 53.4047



83.8776, 87.5660, 96.6818



46.4101, 48.6621, 53.1244



10.0477, 10.4962, 11.5758



19.5814, 9.4063, 32.0123

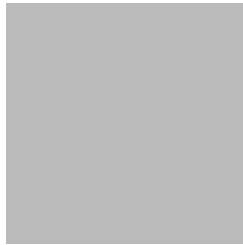


0.6903, 0.3316, 1.1287



# Previews

## White Background



This preview shows how the XYZ color 46.3234, 48.9349, 52.9028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 46.3234, 48.9349, 52.9028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

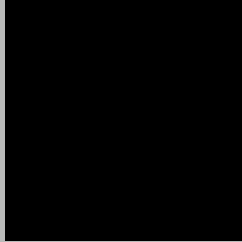
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

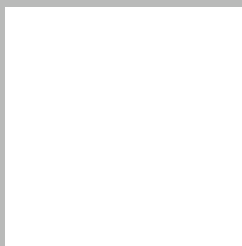


**XYZ 46.3234, 48.9349, 52.9028**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.3234, 48.9349, 52.9028.



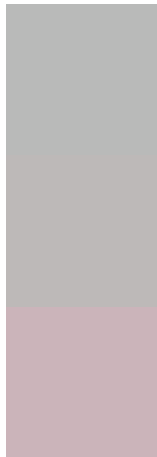
This preview shows how white text looks on a background with the XYZ color 46.3234, 48.9349,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.3234, 48.9349, 52.9028

### Protanopia

46.9870, 48.9774, 52.3245

### Deuteranopia

49.8128, 48.8842, 53.2646



## Tritanopia

47.8270, 48.9230, 60.3484

# Trichromacy



## Original Color

46.3234, 48.9349, 52.9028

## Protanomaly

46.7397, 48.8500, 52.3129

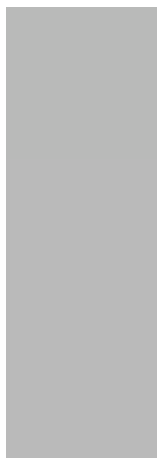
## Deuteranomaly

48.3558, 48.7368, 53.3129

## Tritanomaly

47.2243, 48.9873, 57.4186

# Monochromacy



## Original Color

46.3234, 48.9349, 52.9028

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.6715, 49.1021, 53.4722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3234, 48.9349, 52.9028 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(185, 186, 185) looks like.

```
.text, #text, p{  
    color:rgb(185, 186, 185)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(185, 186, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 186, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3234, 48.9349, 52.9028 is called "border". The border property can be set on classes, ids or directly on the HTML element.

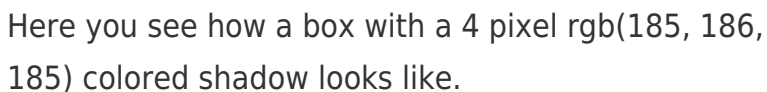
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 186, 185) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(185, 186, 185) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(185, 186, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 186, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 186, 185); box-shadow:4px 4px 4px 4px rgb(185, 186, 185) }
```



# Background

The CSS property to change the background color of an element to XYZ 46.3234, 48.9349, 52.9028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 186, 185) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(185,  
186, 185) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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